

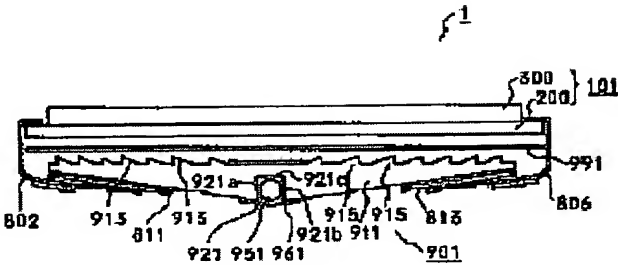
SURFACE LIGHT SOURCE DEVICE AND DISPLAY DEVICE USING THE SAME

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Abstract of JP8271886

PURPOSE: To provide a compact surface light source device whose outside dimension is not restricted by a tubular light source by housing the tubular light source in the thickness direction of a light transmission plate.
CONSTITUTION: This light source device is provided with a lamp housing groove 921 formed nearly in parallel with the long side of the light transmission plate 911 in the center part of its back surface, and the tubular light source 951 is housed in the groove 921. The device is shaped to be tapered so that plate thickness may be reduced toward the end of the plate 911 from the groove 921. Then, light source light made incident on the 1st light introducing plane 921a of the plate 911 is propagated in the plate 911 and a part of the light is emitted from the emitting surface of a 1st projection train 913. In the same manner, the light source light made incident on the 2nd light introducing plane 921b of the plate 911 is also propagated in the plate 911 and a part of the light is emitted from the emitting surface of a 2nd projection train 915. The emitted light emitted from the plate 911 is controlled to be diffused light whose angle is about 90 deg., and controlled to be the light source light whose condensing angle is 22 deg. and which faces to a liquid crystal panel 101 by a prism sheet 991.



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(54)【発明の名称】 面光源装置およびそれを用いた表示装置

(57)【要約】

【構成】 この発明は、管状光源と、管状光源からの光源光を選択的に出射する複数の突起を一主表主表面に含む導光板とを備えた面光源装置であって、導光板は、管状光源を導光板の厚さ方向に収納し、且つ管状光源からの光源光を導光板に導くよう厚さ方向に形成される光導入平面を含む収納部を備えたことを特徴としている。

【効果】 本発明によれば、光利用効率が高く、しかも装置の狭額縁化を達成することができる。

